

Amendments to the Abstract of the Disclosure

A non-segmentation, individual pixel-by-pixel-based image rendering system and a ~~pixel-based image rendering~~ method provides processing of heterogeneous or homogeneous images, wherein each image comprises a multiplicity of pixels. Each pixel of the image has image information attached thereto. Subsequently, each pixel is processed and rendered according to the attached image information. The pixel-based image rendering system improves the quality of the printed heterogeneous or homogeneous images because each pixel of the image is rendered individually according to the attached image information.